

Date: Fri, 3 Jun 94 07:30:35 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #616
To: Info-Hams

Info-Hams Digest Fri, 3 Jun 94 Volume 94 : Issue 616

Today's Topics:

 Alinco DJ180T mods?
 Bizarre QST Statemen (2 msgs)
 Cancun Repeaters
 Impedence of a car radio antenna
 Loop Antenna
Periodic Announcement - ARRL Email Information Server (info@arrl.org)
 RE:Loop Antenna (2 msgs)
 RFI Tracked Down!!
 Schematic: Midland model 13-509 (220 mhz) [I have it]
 SSB Filters

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 31 MAY 94 08:48:46 CST
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!wupost!kuhub.cc.ukans.edu!
news.umkc.edu!noc.nemostate.edu!ACADEMIC.NEMOSTATE.EDU@network.ucsd.edu
Subject: Alinco DJ180T mods?
To: info-hams@ucsd.edu

I hope this isn't a FAQ that I have just missed, but here goes
anyway...

Although I see many mods listed in various FTP sites for Alinco
160's and 162's, I never see any for the DJ180T. Are the mods the
same for the 180 as for the 160? Where can I find mods for the
180? I have heard that one of the mods will make wideband receive

go even wider than the 130-174 range. Help!

```
-----  
|  
| James Scudder      "What's a HAM anyway?"  
| WB0RPS  
| ae85%nemomus.bitnet@academic.nemostate.edu  
|  
-----
```

Date: 31 May 94 16:02:00 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!
news.duke.edu!duke!wolves!psybbs!1-151-160-0!Dave.Hockaday@network.ucsd.edu
Subject: Bizarre QST Statemen
To: info-hams@ucsd.edu

SB>Greg said:
SB>: Subject: Bizarre QST statement
SB>: To: info-hams@ucsd.edu
SB>: In June QST, there is an article on buying your first HF rig.
SB>:
SB>: However, the author makes a really bizarre statement:
SB>: In talking about hybrid rigs, he instructs the neophyte to stay
SB>: away from those which have sweep tubes in the final, and go only
SB>: for those with 'real' transmitting tubes (6146, presumably).
SB>: Pretty much narrows it down to 'Kenwood.'
SB>: It lets out Drake 4-line, which he mentioned as an example, FT-101s,
SB>: etc.

SB>??????????
SB>MY ft-101 has 6146's. Doesn't yours?

The older Yaesu 101 b, e, ee, ex, have a pair of 6JS6C's (or something like that). The newer 101ZD has 6146's. The 901/902 also has 6146's...as do many of the heathkit rigs...not sure what else. I think there was a mod for the earlier Yaesu's to convert them to 6146's, too. 73 de WB4IUY

X OLX 2.1 X No matter where you go, ...there you are...

Date: 3 Jun 94 10:18:56 EDT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!wupost!udel!pacs.sunbelt.net!
DDEPEW%CHM.TEC.SC.US@network.ucsd.edu
Subject: Bizarre QST Statemen

To: info-hams@ucsd.edu

In article <828_9406022309@psybbs.durham.nc.us>,
Dave.Hockaday@f160.n151.z1.fidonet.org (Dave Hockaday) writes:

>SB>Greg said:

>SB>: Subject: Bizarre QST statement

>SB>: To: info-hams@ucsd.edu

>SB>: In June QST, there is an article on buying your first HF rig.

>SB>:

>SB>: However, the author makes a really bizarre statement:

>SB>: In talking about hybrid rigs, he instructs the neophyte to stay

>SB>: away from those which have sweep tubes in the final, and go only

>SB>: for those with 'real' transmitting tubes (6146, presumably).

>SB>: Pretty much narrows it down to 'Kenwood.'

>SB>: It lets out Drake 4-line, which he mentioned as an example, FT-101s,

>SB>: etc.

>

>SB>??????????

>SB>MY ft-101 has 6146's. Doesn't yours?

>

>The older Yaesu 101 b, e, ee, ex, have a pair of 6JS6C's (or something

>like that). The newer 101ZD has 6146's. The 901/902 also has 6146's...as

>do many of the heathkit rigs...not sure what else. I think there was a

>mod for the earlier Yaesu's to convert them to 6146's, too. 73 de WB4IUY

>

>---

> X OLX 2.1 X No matter where you go, ...there you are...

If anyone knows about the mod to convert FT101 to 6146's I'd appreciate
details. Please respond by e-mail. Thanks.

Dorr Depew

N4QIX

Date: 3 Jun 94 08:19:06 -0600

From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!darwin.sura.net!atlas.tntech.edu!
jmg@network.ucsd.edu

Subject: Cancun Repeaters

To: info-hams@ucsd.edu

Anyone know of any current repeater frequencies in Cancun? I will be going
there on Sunday.

thanks

Jeff, AC4HF

Date: 3 Jun 1994 11:18:58 GMT
From: ihnp4.ucsd.edu!swrinde!gatech!news-feed-1.peachnet.edu!concert!
hearst.acc.Virginia.EDU!portal.gmu.edu!mason1.gmu.edu!snkhan@network.ucsd.edu
Subject: Impedence of a car radio antenna
To: info-hams@ucsd.edu

What is the impedence of a normal car antenna in the US?
I have to couple my amplifier circuit with the car antenna.

Thanks.

Date: Fri, 03 Jun 1994 00:53:09 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!caen!malgudi.oar.net!witch!doghouse!
jsalemi@network.ucsd.edu
Subject: Loop Antenna
To: info-hams@ucsd.edu

In article <hawley.770585983@aries>, Chuck Hawley (hawley@aries.scs.uiuc.edu) writes:

>What's the pattern of a small loop? How does it matter if you turn it
>horizontal or vertical? Most of the ads show the AEA horizontal, and
>the MFJ vertical.
>

Loops are strongest in the plane of the loop, and have a null perpendicular to the loop. Horizontal mounting makes it omnidirectional, and vertical gives you a null in two directions that's good for cutting down local noise sources.

Since the loops primarily operate on the magnetic portion of the radio wave, it sometimes helps to try both orientations and see which is best for a particular location. This is especially true if the antenna is within 10-20 feet of a large mass of metal (metal roof, fence, etc).

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Thu, 2 Jun 1994 21:00:06 MDT
From: ihnp4.ucsd.edu!library.ucla.edu!psgrain!nntp.cs.ubc.ca!alberta!ve6mgs!rec-
radio-info@network.ucsd.edu
Subject: Periodic Announcement - ARRL Email Information Server (info@arrl.org)
To: info-hams@ucsd.edu

Periodic Announcement - ARRL Email Information Server (info@arrl.org)

The services that the ARRL provides via the internet include the Email Information Server and the Technical Information Service. The Information Server is an automated mail server that gives you access to many of information files relating to various facets of Amateur Radio. You can retrieve any or all of these files by sending an email message to info@arrl.org here at ARRL HQ. Each file you request is then mailed to you automatically.

To use it, mail messages to:

info@arrl.org

Each line of the message body should contain a command as shown below. The subject of your message is not processed and may be omitted. You may place as many commands in a message as you want. The files you request will be sent to you in separate messages. Only ASCII text files are supported.

Valid INFO commands:

reply <address> (may be needed - see below for explanation)
help
index
send FILENAME (example: send prospect.txt)
quit

In the above message example, "help" retrieves a brief set of instructions for info, "index" retrieves a list of available files and "send prospect.txt" retrieves a text file containing information on becoming a radio amateur.

Note to users with FTP capability: All of these files are also available by anonymous ftp to oak.oakland.edu in the pub/hamradio/arrl/infoserver area. Retrieve the file index.txt

in the /league sub-directory for a complete listing of available files.

If you want to retrieve several text files with one message, use a separate line for each "send filename" request.

Your From: field or Reply-to: field in your header should contain a valid Internet address, including full domain name. If your From: field does not contain a valid Internet address, the answer will not reach you. If this is the case, then use the reply command as shown above. When needed, this command should always be the first command in your message.

IMPORTANT: Please use the quit command in your message. This will prevent processing errors from message signatures.

PLEASE NOTE!: This is an automated system not capable of handling written requests. Any questions on the info-server or the content of any of its files should be directed to mtracy@arrl.org.

ALSO NOTE!: Do *NOT* reply to messages sent from info@arrl.org - the reply address is redirected to keep bounced messages from endlessly looping. Write a new message to info@arrl.org instead.

The Technical Information Service gives League members on the internet better access to the knowledgeable technical staff here at ARRL HQ. Questions relating to Amateur Radio and related technical topics are welcome. To use this service, send a normal e-mail message to tis@arrl.org with your question spelled out in plain english. For best service, be as specific as possible and keep your line length in messages to a maximum of 80 characters. Due to personnel limitations, priority will be given to questions from League members.

Best Regards,

Michael Tracy, KC1SX, ARRL Technical Information Services Coordinator
(e-mail mtracy@arrl.org)

Sample of files available from INFO: (There are lots more!)

Note - If you are not yet an Amateur Radio operator retrieve the file prospect (send prospect) for information on how to easily get started in this fun hobby.

FILENAME	SIZE	DATE	DESCRIPTION
-----	----	-----	-----

PROSPECT.TXT	2k 930514	How to get your Amateur Radio license
EXAMS.TXT	52k 930629	Current exam schedule info - updated bi-weekly
EXAMINFO.TXT	9k 921020	Examinations - what to bring - requirements
USERS.TXT	6k 930119	List of HQ Email addresses
ARRLCAT.TXT	39k 930709	Catalog of ARRL Publications - commercial content
JOIN.TXT	2k 930621	How become an ARRL member
SERVICES.TXT	5k 930621	A condensed list of ARRL membership services
TOUR.TXT	28k 930621	An electronic tour of ARRL Headquarters
DIR.HQ	5k 930310	Visiting ARRL HQ - directions and tour information
HFBANDS	7k 921203	Breakdown of users of HF spectrum
Q-SIGS	1k 921203	ARRL list of Amateur Radio Q-signals
W1AW.SKD	2k 930120	W1AW schedule of transmissions and operation
PRODREV1.TXT	12k 930227	Which rig is best? Part 1 - QST Lab Notes
PRODREV2.TXT	22k 930227	Which rig is best? Part 2 - QST Lab Notes
!LIST.TXT	6k 931120	QST Bibliographies List
RFIGN.TXT	37k 930120	How to solve an EMI/RFI problem - QST Lab Notes
RFISOURC.TXT	13k 930607	Where to buy filters - EMI-proof telephones etc.
ADDRESS.TXT	16k 930318	Lots and lots of ham/electronic company addresses
KITS.TXT	6k 930430	List of companies that sell kits
BBS.TXT	12k 930601	List of ham-radio land-line bulletin boards
FAQ1.TXT	25k 930707	Introduction to the FAQ and Amateur Radio
FAQ2.TXT	45k 930707	Amateur Radio Orgs, Services and Info Sources
FAQ3.TXT	32k 930707	Amateur Radio Advanced and Technical Questions

American Radio Relay League, Inc.	Tel: 1-203-666-1541
225 Main Street	Fax: 1-203-665-7531
Newington, CT 06111	Email: mtracy@arrl.org

Date: Fri, 03 Jun 1994 00:45:38 GMT
 From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!spool.mu.edu!caen!
 malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu
 Subject: RE:Loop Antenna
 To: info-hams@ucsd.edu

In article <19940602121903CSMSCST@MVS.OAC.UCLA.EDU>, Chris Thomas
 (CSMSCST@MVS.OAC.UCLA.EDU) writes:
 >Gee, I guess the 240 (confirmed) countries that I've gotten with my
 >small loop and 150w in the last 3 yrs don't count ...
 >

Not to mention that even a dummy load can radiate enough power for a
 QSO. ANY antenna will radiate power, no matter how small, so long as
 its properly matched to the rig. Anyone who doubts it should read

Maxwell's excellent book "Reflections," or any of Kurt Sturba's columns in World Radio.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: Fri, 03 Jun 1994 00:49:17 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!spool.mu.edu!caen!malgudi.oar.net!witch!doghouse!jsalemi@network.ucsd.edu
Subject: RE:Loop Antenna
To: info-hams@ucsd.edu

In article <1994Jun2.175404.6920@news.vanderbilt.edu>, PFEIFFEM_1
(PFEIFFEM@ctrvx1.Vanderbilt.Edu) writes:

>Tom,
> Just don't forget that any compact antenna will NEVER outperform a fullsized
>antenna. You MAY get the antenna to accept power but that's where it will
>stay! Just a dummy load in the air!!
> The periodicals are great about telling you just how much fun you can have
>building small and cheap but thay don't say just how it compares to the real
>thing.

Even a small loop antenna is "the real thing." It may not have the efficiency of a full-size antenna, but it WILL radiate a signal. For that matter, so will a dummy load. Any antenna that can be properly matched will radiate a signal.

I suggest you pick up a copy of Maxwell's "Reflections" and check it out.

73...joe

Joe Salemi, KR4CZ Internet: jsalemi@doghouse.win.net
Compuserve: 72631,23 FidoNet: 1:109/136 MCI Mail: 433-3961

Date: 3 Jun 94 05:55:14 GMT
From: news-mail-gateway@ucsd.edu
Subject: RFI Tracked Down!!
To: info-hams@ucsd.edu

I want to second Chuck Adams' exasperation with the Panasonic answering machine. I've got one of these little QRP rigs; mine radiates at about 28.360, as well. This is not the kind of 10m activity I'm looking for these days !

Panasonic, are you listening?? WE are !

/***
Gary W. Thorburn gthorbur@ub.com KD1TE
***/

Date: 3 Jun 94 12:49:20 GMT
From: news-mail-gateway@ucsd.edu
Subject: Schematic: Midland model 13-509 (220 mhz) [I have it]
To: info-hams@ucsd.edu

Date sent: 3-JUN-1994 07:47:27

I have misplaced the posting re Midland 220 mhz and the fellow who wanted the schematic...I know the model is slightly different, but if you read this and if you want a copy of the schematic for the 13-509, then email to me as below and I will send it to you.
..Darrell

Darrell Leavitt
ESC/SUNY Plattsburgh, NY
leavitdg@snyplava.bitnet
leavitdg@splava.cc.plattsburgh.edu
n2ix1@amgate.net.plattsburgh.edu
n2ix1@kd2aj.#neny.ny.usa.na

Date: 31 May 94 16:12:02 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!news.umbc.edu!eff!
news.duke.edu!duke!wolves!psybbs!1-151-160-0!Dave.Hockaday@network.ucsd.edu
Subject: SSB Filters
To: info-hams@ucsd.edu

DS>France, C.E.P.E. part of Thomson-CSF. I've got one in front of me
DS>now, but no address.

Hi David!! Do you know a phone number or adress for Thomson-CSF?? I recently acquired a bunch of 900 mhz early cell phone cell site equipment and would like to get manuals. I wish to convert it to 900 mhz amateur operation, maybe repeating (since I have duplexers), and for linking repeaters in a local system. Any help would be appreciated. 73 de WB4IUY

X OLX 2.1 X 902-928 mhz...Use it or lose it!!

Date: 3 Jun 1994 05:48:17 -0500
From: ihnp4.ucsd.edu!swrinde!news.uh.edu!uuneo.neosoft.com!sugar.NeoSoft.COM!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <1994Jun1.185836.26274@ke4zv.atl.ga.us>, <2skp70\$qbc@tymix.Tymnet.COM>, <1994Jun3.012445.4308@ke4zv.atl.ga.us>~
Subject : Re: 440 in So. Cal.

In article <1994Jun3.012445.4308@ke4zv.atl.ga.us>, Gary Coffman <gary@ke4zv.UUCP> wrote:

>Closed repeaters don't serve the amateur community at large
>as well as open systems, so as a policy matter, open repeaters should
>be the preferred occupants of the spectrum.

This is your opinion. I respect it. I also disagree with it. If a repeater serves 200 users, what difference does it make if those 200 users pay dues to a closed system or just showed up on an open one?

The point here is: Is the frequency being used? If so, what difference does it make of the system is closed? If the frequency isn't being used, then the fact that the radio is closed or open again makes no difference.

There are open systems in Houston which get little or no use. Certainly much less use than my closed system. Am I to be declared "less worthy" even though my radio is used more? That dog won't hunt.

--
Jim Reese, WD5IYT | "Real Texans don't let the truth get in
jreese@sugar.neosoft.com | the way of a good story."

Date: 3 Jun 1994 14:12:29 GMT

From: tymix.Tymnet.COM!niagara!flanagan@uunet.uu.net
To: info-hams@ucsd.edu

References <1994May30.111450.24376@cs.brown.edu>,
<1994Jun1.002342.4409@pb2esac.com>, <1994Jun2.160404.28172@llyene.jpl.nasa.gov>,,
Subject : Re: 440 in So. Cal.

In article <1994Jun2.160404.28172@llyene.jpl.nasa.gov> laborde@kilroy.jpl.nasa.gov
(Greg LaBorde (525)) writes:

>In article <1994Jun1.002342.4409@pb2esac.com>,
>>We were told in rather curt terms that no-code techs were not welcome there.

>I daresay you will _NOT_ be welcomed there after an insulting post like this.

Sounds like a real friendly place!

Dick

--

Dick Flanagan, W6OLD
dick@libelle.com

w6old@n6qmy.#nocal.ca.usa.na
CIS:73672,751 GENie:FLANAGAN

Date: 3 Jun 1994 14:07:33 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!vixen.cso.uiuc.edu!
moe.ksu.ksu.edu!wizard.uark.edu!comp!plaws@network.ucsd.edu
To: info-hams@ucsd.edu

References <CqMJn8.GBp@news.ci.ua.pt>, <CqMrwr.IKJ@news.ci.ua.pt>,
<2slije\$2hp@apakabar.cc.columbia.edu>du
Subject : Re: LOOKING FOR CLUB STATIONS

fuat@tintin.cc.columbia.edu (Fuat C. Baran) writes:

>Another data point:
>Columbia University Amateur Radio Club (W2AEE).
>Email to: cuarc@columbia.edu (or w2aee@columbia.edu)
>WWW URL: <http://www.cc.columbia.edu/~fuat/cuarc/>

Cool. Now subscribe to HAM-UNIV. (mail listserv@njitgw.njit.edu with
SUBSCRIBE HAM-UNIV <your name> in the body)

If you want the N2TIQ's definitive list of University Club stations, ftp
to oak.oakland.edu and look in /pub/hamradio/docs/misc. The file is
ham.faq.univ_Version_.04b.txt (Jeff must have a Mac judging from that
filename :)

73,
Peter Laws, N5UWY - V31WY

President,
Amateur Radio Club,
University of Arkansas / W5YM

Peter Laws <plaws@comp.uark.edu> | "Let's make sure history never forgets the
n5uwy@ka5bml.#nwar.ar.usa.noam | name ... Enterprise" ST:TNG - 1987-1994

Date: Fri, 3 Jun 1994 12:44:32 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
greg@network.ucsd.edu
To: info-hams@ucsd.edu

References <2shtbu\$d8o@sugar.NeoSoft.COM>, <rogjdCqq72H.6u4@netcom.com>,
<2slc6j\$kkn@sugar.NeoSoft.COM>
Subject : Re: 440 in So. Cal.

In article <2slc6j\$kkn@sugar.NeoSoft.COM> jreese@sugar.NeoSoft.COM (Jim Reese)
writes:

>
>That's not what I said. The frequency coordinator must serve both the trustees
>of open and closed repeaters, as well as balancing this with the needs of those
>who want to put on new repeaters. If the frequency is already occupied, it
>makes absolutely no difference whether the system is open or closed. This
>frequency is occupied. Period. A coordinator can't let himself judge who is
>"more worthy" of a frequency. An attitude like this is guaranteed to get him
>sued.

Perhaps. However a significant number of amateurs believe that the 'closed'
repeater is contrary to the principle that no individual or group 'owns'
a frequency.

Those of us who feel this way 'tolerate' closed repeaters in the spectrum
where there is plenty of available space, on the premise that no harm is
done.

However, in areas where spectrum is becoming critical, we believe that the
band plan should dictate that OPEN repeaters have priority, sometimes to the
extent that even existing closed sites are offered the option of either
opening up or giving up the allocation. And we also believe that the
'band plan,' as developed by local and national organized Amateur Radio
groups has sufficient authority to dictate fair spectrum usage.

We believe that groups that put up closed repeaters must make this trade

off... ...that that is the price of exclusivity. Presumably, however, the greater occupancy should offer them a better market for sale of the old 'machine,' should they have to move to 1.2Ghz.

The 'closed' repeater has been the counter-example to the 'no-one owns a frequency' principle which has guided amateur radio for its entire existence. I see no reason to turn away from the older principle in order to keep the price of exclusivity low.

Greg

Date: 3 Jun 1994 05:01:42 -0600
From: ihnp4.ucsd.edu!agate!spool.mu.edu!mnemosyne.cs.du.edu!nyx10.cs.du.edu!not-for-mail@network.ucsd.edu
To: info-hams@ucsd.edu

References <rogjdCqpCto.6B6@netcom.com>, <2si4ff\$q06@tymix.tymnet.com>, <2sid20\$379@btree.brooktree.com>
Subject : Re: 440 in So. Cal.

In article <2sid20\$379@btree.brooktree.com>, Roger Bly <roger@btree.brooktree.com> wrote:
>That's a moot point.

Fairness is never moot. Changing the rules and destroying people's investments is never fair.

> 400 as a haven for closed systems was acceptable as late
>as 1979 when I first ventured up there, but its not acceptable any more!
>We have to adapt to the greater good.

Da, comrade. From each according to his abilities, to each according to his needs.

Jammed any repeaters lately?

--

Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can jmaynard@admin5.hsc.uth.tmc.edu | adequately be explained by stupidity.
To Sarah Brady, Howard Metzenbaum, Dianne Feinstein, and Charles Schumer:
Thanks. Without you, I would be neither a gun owner nor an NRA life member.

End of Info-Hams Digest V94 #616
